6 Disc CD Changer System
(120-2180) Features Faxback Doc. # 17102

The Optimus 6 Disc CD Changer System is a versatile, high-quality sound system that lets you load and play up to six of your favorite CDs in your vehicle. Providing the latest in sound technology, the CD changer has many practical, easy-to-use features and you can install it in almost any vehicle.

You can operate many of the CD changer's functions with the supplied commander.

IMPORTANT: The vehicle's sound system must have an FM tuner and an antenna jack for the CD changer to work with it.

To be safe, we recommend you do not change the CD changer's or sound system's settings in heavy traffic or during hazardous driving conditions.

The CD changer's features include:

6-Disc CD Cartridge - Lets you load and play up to six CDs.

3-Beam Laser Tracking System - Improves the quality of the CD changer's sound.

Horizontal, 45-Degree, or Vertical Mounting - Lets you easily and quickly install the CD changer's components in almost any space in your vehicle.

Spring-Loaded, Oil-Dampened Suspension System - Helps keep the CD changer steady when you drive over rough roads.

Automatic Search Music System - Lets you quickly locate the beginning of any track while playing a CD.

Audible Search - Lets you rapidly play a CD in either direction to locate a desired section of a track.

Intro Scan - Scans and plays the first 10 seconds of each track on a CD, so you can find a specific track.

Shuffle Play - Randomly selects and plays tracks from any

loaded CD.

Repeat Play - Automatically repeats the current track.

Display Color Selector - Lets you select green or amber for the display's color.

6 Disc CD Changer System
(120-2180) Installation Faxback Doc. # 17103

BEFORE YOU BEGIN THE INSTALLATION

Before you install the CD changer's components, read all the instructions in this owner's manual. You should be able to answer all of these questions about the vehicle's electrical and sound systems.

Can my vehicle's sound system tune FM broadcasts?

Does my vehicle's sound system have an antenna jack?

Which terminal in my vehicle's fuse box is for accessories?

How do I connect a wire to the fuse box?

Which of the CD changer's wires is the power system?

Does my vehicle have a 12-volt negative ground system?

NOTE: Installation in your vehicle might require cutting or modifying your vehicle.

In addition to the supplied hardware kit, you will need the following items to install the CD changer:

Cable ties or electrical tape

Isopropyl alcohol

Small- and medium-sized Phillips screwdrivers

CHOOSING/PREPARING THE MOUNTING AREAS

The CD changer plays CDs through your vehicle's existing sound system. The supplied FM modulator converts the CD changer's sound to an FM signal so you can hear it by tuning your vehicle's stereo to an FM frequency. You use the supplied commander to control many of the CD changer's functions.

Follow these steps before you mount the CD changer's components.

1. Choose locations for mounting the CD changer and its components where:

   You can easily reach them.

Wires and cables will not interfere with the vehicle's pedals or other moving parts.

No component is directly in front of heating vents.

All wires and cables will reach their connection points.

2. Confirm that the CD changer and its components will fit the mounting areas you select.

CAUTION: Be careful to avoid obstructions behind all mounting surfaces.

CD CHANGER

You can mount the supplied CD changer horizontally, at a 45-degree angle, or vertically in your vehicle's trunk, on the floorboard, or under a seat.

CAUTION: Do not mount the CD changer upside down.

NOTES: The CD changer's mounting area must be at least 13 inches (33 cm) deep.

When you choose a mounting area for the CD changer, make sure it is close enough to the FM modulator's mounting area so you can connect both components with the supplied CD changer cable. The cable is about 16 feet (4.87 m) long.

Do not mount the CD changer anywhere in your vehicle that is exposed to direct sunlight (such as the front or rear deck) or extreme heat (such as the engine compartment). Direct sunlight or extreme heat can damage CDs and the CD changer.

Make sure your vehicle's mounting area is as level as possible. If you cannot mount the CD changer exactly level, make sure the CD changer will not tilt more than 15 degrees from the horizontal, 45-degree, or vertical mounting positions.

Make sure there is enough room for you to insert and remove the supplied CD magazine from the CD changer.

FM MODULATOR

You can mount the supplied FM modulator under your vehicle's dashboard.

NOTES: The FM modulator's mounting area must be at least 7 inches (17.7 cm) wide by 3 1/4 inches (8.25 cm) deep.

When you choose a mounting area for the FM modulator, make sure it is close enough to your vehicle's ground, power, and sound system so you can connect them with the FM modulator's wires and plugs (see "Making the Connections").

COMMANDER

For ease of use, you can mount the supplied commander on the dashboard using the supplied hook-and-loop fastening tape.

NOTE: When you choose a mounting area for the commander, make sure it is close enough so the FM modulator's mounting area so the commander's cord will reach the FM modulator. The commander's cord is about 5 feet (1.52 m) long.

REMOVING THE SHIPPING SCREWS

The shipping screws help protect the CD changer from damage during shipment.

Before you mount the CD changer, use a small Phillips screwdriver to remove the four shipping screws from the bottom of the CD changer.

CAUTION: If you do not remove the shipping screws from the CD changer, it will not work.

HINT: Save the shipping screws in case you ever have to move the CD changer to another vehicle. You can secure them to the back of the CD changer with a piece of tape.

6 Disc CD Changer System
(120-2180) Connections Faxback Doc. # 17104

Before you mount the CD changer and its components, test it by temporarily connecting all components, connecting the power wires, and connecting the FM modulator to your vehicle and your sound system.

CAUTIONS: For added safety and to protect the CD changer and sound system, disconnect the cable from your vehicle battery's negative (-) terminal before you begin.

You must make all other connections (as described in the following sections) before you reconnect the cable to your vehicle's battery. If you do not make the connections in the order shown, damage to the CD changer and sound system is possible if any wire connections are made incorrectly.

CONNECTING THE FM MODULATOR

The FM modulator includes all of the lead wires for connecting to your vehicle's ground, power, and sound system.

1. Disconnect the cable from your vehicle battery's negative (-) terminal.

2. Connect the black ground wire to a chassis ground, such as a metal screw attached to a metal part of the vehicle's frame. Be sure that the screw is not insulated from the chassis by a plastic part.

3. Connect the red power wire (with in-line fuse holder) to a point in your vehicle's fuse block that has power only when you turn the vehicle's key to either the accessory (ACC) or start position.

   This connection turns on the CD changer and its components when you turn on the ignition or turn the key to ACC, and turns off the CD changer and its components when you turn off the ignition. This prevents your vehicle's battery from being drained if you leave the CD changer on when you turn off the ignition.

4. Connect the yellow memory back up wire (with in-line fuse holder) to your vehicle battery's position (+) terminal or to a fuse that provides a continuous source of 12 volts.

   This connection provides power for the CD changer and its components, and continuous power for the CD changer's memory when the ignition is turned off.

5. Disconnect your vehicle's antenna from your vehicle's sound system, then connect the antenna to the FM modulator's large black antenna connector.

6. Connect the FM modulator's antenna plug to your sound system's antenna jack.

CONNECTING THE CD CHANGER

You connect the CD changer to the M modulator by inserting the straight plug on one end of the CD changer cable into the large jack on the FM modulator, then inserting the 90 degree plug on the cable's other end into the jack on the left side of the CD changer.

CAUTIONS: The CD changer cable's plug fit only one way into the FM modulator and CD changer. Do not force them.

To disconnect the CD changer cable from the FM modulator and CD changer, squeeze each plug, then gently pull it out.

Never pull on the CD changer cable.

CONNECTING THE COMMANDER

To connect the commander to the FM modulator, insert the commander cable's plug into the small jack on the FM modulator.

CAUTIONS: The commander's plug fits only one way into the FM modulator. Do not force it.

To disconnect the commander from the FM modulator, gently pull it out.

Never pull on the commander's cable.

CHECKING THE CONNECTIONS

Make sure you have securely made all connections before continuing with the installation, then reconnect the cable to the vehicle battery's negative (-) terminal.

TESTING THE CONNECTIONS

Verify that you connected the CD changer correctly by turning the CD changer correctly by turning the CD changer on and playing a CD. If

everything is connected correctly, make sure the connections are correctly marked or identified. Then follow the instructions in "Mounting the CD Changer and Its Components."

MOUNTING THE CD CHANGER AND ITS COMPONENTS

Before you mount the CD changer and its components, be sure it is connected correctly. Then disconnect the cable from the vehicle battery's negative (-) terminal.

Mounting the CD Changer

1. Set H/45/V on both sides of the CD changer for the mounting axis you chose.

   H/45/V is preset to H (horizontal). If you are mounting the CD changer horizontally, leave H/45/V as it is and continue with Step 2.

   If you are mounting the CD changer at a 45-degree angle, use a small Phillips screwdriver to remove the screw from H, use the supplied tool to turn H/45/V to 45 (45-degree angle), then replace the screw into 45 on both sides of the CD changer.

   If you are mounting the CD changer vertically, use a small Phillips screwdriver to remove the screw from H, use the supplied tool to turn H/45/V to V (vertical), then replace the screw into V on both sides of the CD changer.

   CAUTION: If you do not set H/45/V on both sides of the CD changer to the correct mounting axis, the CD changer might skip during play.

   HINT: Save the tool in case you ever want to install the CD changer in another vehicle or change the mounting location. You can secure it to the back of the CD changer with a piece of tape.

2. Use a medium-sized Phillips screwdriver to attach the supplied mounting brackets to the sides of the CD changer.

   If you are mounting the CD changer horizontally, attach both mounting brackets to the CD changer.

   If you are mounting the CD changer at a 45-degree angle, attach both mounting brackets to the CD changer.

   If you are mounting the CD changer vertically, attach both mounting

brackets to the CD changer.

3. Using the supplied mounting studs as templates and the width between the mounting brackets as a guide, mark the positions for the mounting holes.

4. Attach the mounting studs to the mounting surface using the supplied screws.

5. Attach the CD changer to the mounting studs using the supplied wing nuts.

MOUNTING THE FM MODULATOR

1. Use the supplied screws to attach the FM modulator under the vehicle's dashboard.

2. Use cable ties (not supplied) to secure the FM modulator's wires under the dashboard.

MOUNTING THE COMMANDER

The supplied hook-and-loop fastener lets you securely mount the commander on the dashboard and easily remove it when you need it.

Determine the commander's exact mounting location. Then follow these steps to secure the commander.

1. Clean both mounting surfaces with isopropyl alcohol and allow them to completely dry.

2. Peel the backing off one piece of the hook-and-loop fastener and press it onto the back of the commander.

3. Peel the backing off the other piece of the hook-and-loop fastener and press the commander onto the desired location.

RECONNECTING THE VEHICLE'S BATTERY

Reconnect the cable to the vehicle battery's negative (-) terminal.

SETTING THE FM FREQUENCY

Set 88.7 MHz/88.3 MHz on the side of the FM modulator to an active frequency in your area, if available. This is the frequency you tune to on your vehicle's sound system to hear the CD changer.

NOTE: If there is no FM broadcast on either 88.7 MHz or 88.3 MHz in your area, you might hear static when the CD changer is not playing a CD. If this occurs, be sure to lower your radio's volume before the CD stops.

CHANGING THE DISPLAY'S COLOR

The display's color is preset to green. Repeatedly press LIGHT until the display shows the color you want (green or amber).

LOADING AND UNLOADING CDS

You can load as many as six CDs in the supplied CD magazine.

CAUTION: Play only CDs that have this mark on them:

1. Hold the CD magazine so that clear CD window faces you and the highest CD number (6) is at the top of the CD window.

2. Slide all of the disc levers on the back edge of the CD magazine to the left.

3. To insert a CD, slide it onto any of the exposed slots on the right side of the CD magazine, label side up. Then gently press the CD to the left until it locks.

As you insert a CD into the CD magazine, its disc lever moves to the right.

CAUTIONS: Do not insert more than one CD into the same slot in the CD magazine. This could damage the CD magazine, the CD changer, and the CDs.

Do not insert anything other than 5-inch CDs in the CD magazine.

To unload CDs from the CD magazine, press and hold down the disc lever for the CD you want to unload. The CD sticks out slightly. Grasp the CD by its edges and remove it.

LOADING AND UNLOADING THE CD MAGAZINE

Follow these steps to load the CD magazine into the CD changer.

1. Slide the CD changer's door all the way to the right to open it.

2. Hold the CD magazine so the clear CD window faces you and the highest CD number is at the top of the CD window, then gently push it into the CD changer until it clicks.

   CAUTION: The CD magazine fits into the CD changer only one way. Do not force it.

3. Slide the CD changer's door all the way to the left to close it.

To unload the CD magazine from the CD changer, slide the CD changer's door all the way to the right to open it, then press UP ARROW.

PLAYING CDs

CAUTIONS: The CD changer has a wide dynamic range. If you turn up your radio's volume too high during soft (low volume) sections of a program, your speakers might be damaged when a sudden loud passage occurs.

If the CD changer is jolted during play, the rotation speed might suddenly change or the CD changer might make an unusual noise. This is not a malfunction.

NOTE: To play CDs, you must load them into the CD magazine, then load the CD magazine into the CD changer.

1. When you turn on your vehicle's ignition and press ON on the commander, it's display turns on, and - -- flashes for a few seconds. Then LOAD flashes as the CD changer displays the number for each CD loaded in the CD magazine (6-1), starting with the CD you loaded into the highest slot number. Then the CD changer selects the CD you loaded into the lowest slot number.

   NOTE: - -- continues to flash if you did not load CDs into the CD magazine, or did not load the CD magazine into the CD changer.

2. Turn on your vehicle's sound system, select the radio's FM band, then tune the radio to the same FM frequency as the 88.3 MHz/88.7 MHz setting on the FM modulator.

   HINT: Store this setting as one of your sound system's FM stations.

3. Press >||. The CD starts to play from Track 1, and the display shows DISC and the lowest loaded CD number, TRACK and 01, and the elapsed time of Track 1.

   After the CD changer plays each track on the CD, it automatically selects the next loaded CD (from lowest to highest) and plays all tracks on that CD, starting with Track 1.

   After the CD changer plays all tracks on all loaded CDs, it automatically plays the lowest loaded CD, starting with Track 1. Play continues until you stop the CD changer.

4. Adjust your sound system's volume and tone controls as desired.

   NOTE: To pause playback, press >||. To resume playback, press >|| again.

5. To stop playback and turn off the CD changer, press OFF.

AUTOMATIC SEARCH MUSIC SYSTEM (ASMS)

To move to the beginning of the next or previous track on the CD, press |<< or |>> once. To move to the beginning of other tracks on the CD, repeatedly press |<< or >>| until the display shows the desired track under TRACK.

AUDIBLE SEARCH

To search for a particular section of a track on the current CD, press and hold down << or >> during play. The CD changer rapidly plays the CD either backward or forward. When you hear the section you want, release << or >> to resume normal play.

SELECTING A SPECIFIC CD

To select a particular CD in the CD magazine, repeatedly press DISC during play until the display shows the desired CD number under DISC. The CD changer stops playing the current CD (if it was playing one), then plays the new CD.

INTRO SCAN

You can set the CD changer to play the first 10 seconds of each track on the current CD, so you can find the desired track.

To begin scanning, press SCAN during play. The display shows SCAN.

To stop scanning and resume playback, press SCAN again. SCAN disappears from the display.

REPEAT PLAY

To repeat a track on the current CD, press REPEAT while that track is playing. The display shows REPEAT. When the track ends, it automatically repeats.

To stop repeating the track, press REPEAT again to resume normal play. REPEAT disappears from the display.

SHUFFLE PLAY

You can set the CD changer to randomly select and play tracks from the current CD. After one track plays, the CD changer automatically selects another track and plays it until you stop shuffle play.

To begin shuffle play, press SHUFF. The display shows SHUFF.

To stop shuffle play, press SHUFF again to resume normal play. SHUFF disappears from the display.

SWITCHING BETWEEN CD/RADIO

You can listen to the radio while a CD is playing by tuning the radio to the station you want to hear.

NOTE: The CD continues to play while you listen to the radio.

To return to the CD, tune the radio to the same FM frequency as the 88.3 MHz/88.7 MHz setting on the FM modulator.

6 Disc CD Changer System
(120-2180) Troubleshooting Faxback Doc. # 17106

If your CD changer is not working as it should, these suggestions might help you eliminate the problem. If the CD changer still does not operate properly, take it to your local Radio Shack store for assistance.

SYMPTOM	POSSIBLE CAUSE	SUGGESTION
No power-display does not light after vehicle power is turned on.	Power problem.	Check the CD changer's and sound system's fuses and replaces them if necessary.
	CD changer/components not connected to sound system/vehicle correctly.	Check all connections.
No sound.	Vehicle radio's volume set to minimum.	Adjust the vehicle radio's volume.
	Vehicle radio not set to the proper FM frequency.	Set vehicle radio to FM band and tune to frequency set on FM modulator (88.3 MHz or 88.7 MHz).
	CD changer/components not connected to sound system/vehicle correctly.	Check all connections.
CD changer does not work.	Shipping screws not removed from CD changer.	Remove the shipping screws from the CD changer.
	No CDs loaded in CD magazine.	Load CDs in CD magazine.
	CD magazine not loaded in CD changer.	Load CD magazine in CD changer.
	CD loaded upside down in CD magazine.	Load CD correctly.

	CD is dirty or defective	Clean the CD or try another CD.
	CD changer must be reset.	Reset the CD changer.
Sound from CD skips.	CD is dirty or defective.	Clean the CD and try it again, or try another CD.
	H/45/V set incorrectly.	Check H/45/V on both sides of CD changer and reset if necessary.
Static sounds on radio when CD stops playing.	FM modulator not set to a frequency with an active radio station.	Set 88.3 MHz/88.7 MHz to a frequency with an active station (if available).
		NOTE: If there is no active broadcast on 88.3 MHz or 88.7 MHz, you cannot eliminate these static sounds.
CD magazine does not eject from CD changer when UP ARROW is pressed.	CD changer requires power to eject CD magazine.	Turn on your vehicle's ignition and try again.
		Check the CD changer's and sound system's fuses and replace them if necessary.

6 Disc CD Changer System
(120-2180) Hints and Tips Faxback Doc. # 17107

Even though a CD is very durable, you should handle it with care. We recommend the following precautions.

Keep the CD in its protective case or sleeve when you are not playing it.

Handle a CD by its edges to avoid fingerprints which can prevent the CD changer's laser beams from accurately reading the CD. Your local Radio Shack store sells a suitable CD cleaner kit.

Do not Write on either side of the CD, particularly the non-label side. (Signals are read from the non-label side.)

Keep the CD dry. A water drop can act as a lens and affect the laser beam's focus.

If you park your vehicle in the sun, temperatures inside the vehicle can easily reach levels that could damage your CDs. To prevent heat damage, avoid leaving your CDs in your vehicle.

If a CD skips when you play it, the CD might be scratched. Your local Radio Shack store sells a Scratch 'n Fix kit (Cat. No. 42-127) that might help remove the scratch and stop the skip.

RESETTING THE CD CHANGER

If your CD changer or any component locks up or does not work properly, or if the vehicle's battery loses power, follow these steps to reset the CD changer.

1. Turn on your vehicle's ignition.

2. Slide the CD changer's door all the way to the right to open it.

3. With a pointed object, such as a straightened paper clip, press the reset hole (to the left of UP ARROW inside the CD changer) for about 2 seconds.

REPLACING A FUSE

If the CD changer or its components do not operate, you might need to replace the red power wire's or yellow continuous power wire's fuse with

one of the supplied fuses. Check both fuses.

WARNING: Before you begin, disconnect the cable from the vehicle battery's negative (-) terminal.

1. Unlatch the two latches on the fuse holder so the holder springs open.

2. If either fuse is blown, replace it. Use only standard 1 1/4-inch fuses with the proper rating. The red power wire's fuse must be 1.0 amp, and the yellow continuous power wire's fuse must be 2.0 amps.

   CAUTION: The supplied spare fuses have the proper ratings. Make sure you replace a fuse only with another fuse of the same rating.

3. Reassemble the fuse holder only squeezing it together.

4. Reconnect the cable to the vehicle battery's negative (-) terminal.

6 Disc CD Changer System
(120-2180) Specifications Faxback Doc. # 17108

CD CHANGER

Frequency Response:
   40 Hz:.....+/-2 Hz
   10 kHz:.....-10 Hz
   16 kHz:.....60 dB
Signal-to-Noise Ratio (1 kHz):.....60 dB
Harmonic Distortion (1 kHz):.....3%
Signal Format:
   D-A Conversion:.....2-Channel Sigma Delta
   Sampling Type/Frequency:.....8 x Oversampling, 44.1 kHz
Pick-Up:
   System:.....Sony KSS-320B, 3-Beam
   Wavelength:.....760-800 nm
CD Used (Diameter):.....5-inch (120 mm)
Power Source:.....14.4 Volts DC Negative Ground
Power Consumption:.....3 A Maximum
Unit Weight:.....6 lbs 7 oz (2920 g)
Unit Dimensions:.....11 11/32 x 2 29/32 x 7 3/8 Inches (WHD)
(288 x 74 x 187.5 mm)

COMMANDER/FM MODULATOR

Power Source:.....14.4 Volts DC Negative Ground
Unit Weight:
   Commander:.....4.2 Ounces (0.12 Kg)
   FM Modulator:.....13.7 Ounces (0.39 Kg)
Unit Dimensions:
   Commander:.....3 1/2 x 27/32 x 3 Inches (WHD)
(89 x 20 x 76 Millimeters)
FM Modulator:..... .....5 1/4 x 1 1/18 x 3 1/4 Inches (WHD)
(144 x 28 x 82 Millimeters)

Specifications are typical: individual units might vary. Specifications are subject to change and improvement without notice.

Audio Connection Information
(120-Series) Plug/Male 2 Ch. System Faxback Doc.# 19994

Pin No.	WIRE COLOR	WIRE SPECS.	LABEL	REMARK
1	WHT/BLK	AWG #20 2P CORD	FRONT L-	STRIP SOLDER
2	GRY/BLK	"	FRONT R-	"
3				
4				
5	BLACK	AWG 206	GROUND	6.3mm r FORK TERMINAL
6	ORG/WHT *	"	DIMMER	STRIP SOLDER
7	PINK/WHT *	"	PHONE MUTE	"
8	WHITE	AWG #20 2p CORD	FRONT L+	"
9	GRAY	"	FRONT R+	"
10				
11				
12	RED	AWG #20	+12 V TO IGNITION	250/ 1A FUSE & 24M/M TRANS STRIP SOLDER
13	YELLOW	"	+12 V TO BATTERY	250/ 1A FUSE STRIP SOLDER
14	DARK BLUE/ WHITE	"	AMP REMOTE TURN ON 500mA MAX +12 V OUTPUT	WIRE BANDING & TUBE HEATING

* May or may not be present depending on features of individual radios.

(2CH/4CH SWITCHABLE UNIT)

Pin No.	WIRE COLOR	WIRE SPECS.	LABEL	REMARK
1	WHT/BLK	AWG #20 2P CORD	FRONT L-	STRIP SOLDER
2	GRY/BLK	"	FRONT R-	"
3	GRN/BLK	"	REAR L-	"
4	VIO/BLK	"	REAR R-	"
5	BLACK	AWG 206	GROUND	6.3mm r FORK TERMINAL
6	ORG/WHT *	"	DIMMER	STRIP SOLDER
7	PINK/WHT *	"	PHONE MUTE	"
8	WHITE	AWG #20 2p CORD	FRONT L+	"
9	GRAY	"	FRONT R+	"
10	GREEN	"	REAR L+	
11	VIOLET	"	REAR R+	"
12	RED	AWG #20	+12 V TO IGNITION	250/ 1A FUSE & 24M/M TRANS STRIP SOLDER
13	YELLOW	"	+12 V TO BATTERY	250/ 1A FUSE STRIP SOLDER
14	DARK BLUE/ WHITE	"	AMP REMOTE TURN ON 500mA MAX +12 V OUTPUT	WIRE BANDING & TUBE HEATING

* May or may not be present depending on features of individual radios.

4 Chnl Unit

Pin No.	WIRE COLOR	WIRE SPECS.	LABEL	REMARK
1	WHT/BLK	AWG #20 2P CORD	FRONT L-	STRIP SOLDER
2	GRY/BLK	"	FRONT R-	"
3	GRN/BLK	"	REAR L-	"
4	VIO/BLK	"	REAR R-	"
5	BLACK	AWG 206	GROUND	6.3mm r FORK TERMINAL
6	ORG/WHT *	"	DIMMER	STRIP SOLDER
7	PINK/WHT *	"	PHONE MUTE	"
8	WHITE	AWG #20 2p CORD	FRONT L+	"
9	GRAY	"	FRONT R+	"
10	GREEN	"	REAR L+	
11	VIOLET	"	REAR R+	"
12	RED	AWG #20	+12 V TO IGNITION	250/ 1A FUSE & 24M/M TRANS STRIP SOLDER
13	YELLOW	"	+12 V TO BATTERY	250/ 1A FUSE STRIP SOLDER
14	DARK BLUE/ WHITE	"	AMP REMOTE TURN ON 500mA MAX +12 V OUTPUT	WIRE BANDING & TUBE HEATING

* May or may not be present depending on features of individual radios.

5-Pin DIN

FRONT

Green	Right (+)

White	Right (-)
Brown	Left (+)
Gray	Left (-)
Red	+12 V Power

REAR

GRN/BLK	Right (+)
WH/BLK	Right (-)
BR/BLK	Left (+)
GRAY/BLK	Left (-)

Orange	S.P.L.
Black	Ground
Red w/ White	Memory Backup

(/ir-10/08/96)
LN-03/04